

Date: Fri, 7 May 93 10:42:16 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #554
To: Info-Hams

Info-Hams Digest Fri, 7 May 93 Volume 93 : Issue 554

Today's Topics:

 * * * Announcing the QRZ! Ham Radio CD-ROM * * *
 Announcement - ARRL Information Mail Server (info@arrl.org)
 Cellular Scanner (2 msgs)
 Confusing letters in call signs
 CORRECTION Re: * * * Announcing the QRZ! ...
 CY9DXX QSL? Pse help!
 DX Bulletin 23 ARLD023
 MAGNETIC Loop ANTENNA
 no-code stuff
 OHOMFP qrv on 10m this weekend
 PVC tubing for mast?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 6 May 93 11:48:15 MST
From: destroyer!cs.ubc.ca!alberta!adec23!ve6mgs!rec-radio-info@uunet.uu.net
Subject: * * * Announcing the QRZ! Ham Radio CD-ROM * * *
To: info-hams@ucsd.edu

Hot off the presses, the QRZ! Ham Radio CD-ROM contains the complete
US CALLSIGN DATABASE (March 1993 Edition) complete with PC (MSDOS)
compatible search and retrieval software, and tons of ham related
material totalling over 500 Megabytes!

Some of the features include:

- * March 1993 US CALLSIGN DATABASE (in ASCII)
- * PC (MSDOS) compatible search and retrieval software
 - Search by callsign, name, city, zipcode, several
 - output formats including screen, mailing lists, etc.
- * ISO 9660 CD-ROM Format - readable on all systems
- * Hundreds of popular ham related (shareware) programs
- * Nearly 200 radio and scanner modifications
- * USENET news articles from rec.ham-radio and
 - rec.radio.amateur.{misc,packet,policy} since 1989
- * Complete dumps of several internet ham radio archives
- * Canadian and US CLUB callsigns
- * FCC Rules and Regulations (Part 97)
- * DX lists, DXCC info, BBS Lists
- * UNIX callsign database/server 'C' source code
- * SIMTEL20 Ham Radio Archive Files
- * Vast amounts of useful reading information for the
 - beginning to the advanced ham

The list price of the QRZ! CD-ROM is \$24.95. As a special thanks to the USENET community, we are making the QRZ! Ham Radio CD-ROM available at a special price of \$15 (US) plus \$4 shipping and handling per order. All CD's will be mailed First Class Priority mail (this costs us \$2.90 in postage) which reaches most US addresses in 2 or 3 days on average. Those ordering multiple copies pay the \$4 only once per order.

Overseas orders will be accepted at the same \$15 (US) price, but with a \$10 shipping charge.

Quantity discounts are available for orders of 10 or more.

A complimentary copy is available to each of those whose contributed shareware appears on the CD.

Ordering Info:

US: Send a check or money order (preferred) for \$19 (\$15 + \$4 s/h)

Overseas: Send a money order for \$25 (US funds) (\$15 + \$10 s/h)

Make all checks payable Fred Lloyd and send to:

QRZ! c/o Fred Lloyd
 8215 E. Wood Drive
 Scottsdale, AZ 85260

NOTE: This one-time offer is available only to persons who are actually on USENET (must have a reachable e-mail address).

Questions, comments, etc. via e-mail to Fred.Lloyd@West.Sun.COM

Date: 7 May 93 09:41:09 EDT
From: mvb.saic.com!tamsun.tamu.edu!cs.utexas.edu!zaphod.mps.ohio-state.edu!
darwin.sura.net!udel!news.intercon.com!psinnntp!arrl.org@network.UCSD.EDU
Subject: Announcement - ARRL Information Mail Server (info@arrl.org)
To: info-hams@ucsd.edu

The American Radio Relay League (ARRL) has a useful service -- the ARRL Information Mail Server. This is an automated mail server that let's you access many of our information files, containing information about various facets of Amateur Radio. You can retrieve any or all of these files by sending an email message to info@arrl.org here at ARRL HQ. Each file you request is then mailed to you automatically, usually within a few hours.

To use it, mail messages to:

info@arrl.org

Each line of the message should contain a command as shown below. You may place as many commands in a message as you want. Each file you request will be sent to you in a separate message. Only ASCII text files are supported at present.

Valid INFO commands:

help	Sends this help file
index	Sends an index of the files available from INFO
send FILENAME	Sends "file" example: send email
quit	Terminates the transaction (use this if you have a signature or other text at the end of the message.)
reply <address>	Sends the response to the specified address. Put this at the BEGINNING of your message if your From: address is not a valid Internet address.

Note: your message will *not* be read by a human! Do not include any requests or questions except by way of the above commands. Retrieve the "EMAIL" file for a list of addresses of ARRL HQ humans :-)

73 de ARRL HQ, Ed Hare, KA1CV, ehare@arrl.org

Sample of files available from INFO: (There are lots more!)

FILENAME	SIZE	DATE	DESCRIPTION
-----	----	-----	-----

#Note - If you are not yet an Amateur Radio operator retrieve the
#file prospect (send prospect) for information on how to easily get
#started in this fun hobby.

PROSPECT	2k	921203	How to get your Amateur Radio license
EXAM-SCHEDULE	40k	921201	Current exam schedule info - updated bi-weekly
EXAM-INFO	9k	921020	Examinations - what to bring - requirements
EMAIL	5k	921201	List of HQ Email addresses
ADDRESSES	16k	921203	Lots and lots of ham/electronic company addresses
BIOEFFECTS	29k	921203	Information about RF safety
EMI-GEN	37k	921203	How to solve an EMI/RFI problem - QST Lab Notes
EMI-SOURCE	13k	921203	Where to buy filters - EMI-proof telephones etc.
KITS	5k	921203	List of companies that sell kits
PARTS-SOURCE	2k	921203	List of companies that sell electronic parts
PRODUCT-REVIEW	45k	921203	Bibliography of QST Product Reviews (large file)
SOFTWARE	12k	921203	Where to find ham-radio software - QST Lab Notes
BBS	33k	921203	List of ham-radio land-line bulletin boards
FTP-INFO	5k	921203	How to ftp - a list of a few 'hammy' ftp sites
PUBLICITY-HAM	9k	921203	Public-relations info about Amateur Radio - media
FAQ-1	22k	921203	Introduction to the FAQ and Amateur Radio
FAQ-2	39k	921203	Amateur Radio Organizations Services and Info
FAQ-3	31k	921203	Amateur Radio Advanced and Technical Questions

N

Ed Hare, KA1CV	ehare@arrl.org
American Radio Relay League	
225 Main St.	
Newington, CT 06111	"The goal of every engineer is to
(203) 666-1541 - voice	retire without getting blamed for a
ARRL Laboratory Supervisor	major catastrophe." -- Scott Adams
RFI, xmtr and rcvr testing	and Dilbert

Date: 7 May 1993 13:43:37 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
darwin.sura.net!mojo.eng.umd.edu!chuck@network.UCSD.EDU
Subject: Cellular Scanner
To: info-hams@ucsd.edu

In article <1993May7.063725.14367@nntpd2.cxo.dec.com> little@nuts2u.enet.dec.com
(nuts2u::little) writes:

>ez006683@othello.ucdavis.edu (Daniel D. Todd) writes:

>

>>If all recievers that can automatically switch between more than 3
>>channels and hear the cell band are illegal (or will be next year) to

>>produce. What about the phones themselves were they exempted? They can
>

>Or cordless phones that offer 10 channel selection. Must be others such as

Cordless phones do not operate in the cellular phone bands. The manufacturers
of cordless phones did not have a big enough lobby to get them included in
the ECPA law.

73,

Chuck Harris - WA3UQV
chuck@eng.umd.edu

Date: 7 May 1993 15:28:52 GMT
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net
Subject: Cellular Scanner
To: info-hams@ucsd.edu

> If all recievers that can automatically switch between more than 3
> channels and hear the cell band are illegal

Just the manufacture,.

> What about the phones themselves were they exempted?

I see, you haven't been through the Cellular Telephone Industry brainwashing
school yet like congress. Repeat after me until it sticks:

Cellular telephones aren't radios, they're telephones.
Cellular telephones aren't radios, they're telephones.
Cellular telephones aren't radios, they're telephones.
Cellular telephones aren't radios, they're telephones.

Date: Fri, 07 May 93 11:17:33 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!torn!nott!
cunews!revcan!balsam!cowan@network.UCSD.EDU
Subject: Confusing letters in call signs
To: info-hams@ucsd.edu

wier@merlin.etsu.edu (Bob Wier) writes:

> Also S/X
>
> as in de WB5KXH
>

> I think that problem is also because in English, you don't see
> many words with X, lots with S - so people tend to "hear"
> S instead...

And I/Y as in VE3 OIJ. I usually have to say it phonetically or speak very slowly to make it understood.

--

Darin Cowan - cowan@balsam.pinetree.org | I just try to make people's
VE3 OIJ | lives a little more surreal

Date: 7 May 1993 15:36:49 GMT
From: sun-barr!news2me.EBay.Sun.COM!west.West.Sun.COM!sunburn.Corp.Sun.COM!
flloyd@ames.arpa
Subject: CORRECTION Re: * * * Announcing the QRZ! ...
To: info-hams@ucsd.edu

In article <rec-radio-info736753761@ve6mgs.ampr.ab.ca>
Fred.Lloyd@west.sun.com (Fred Lloyd) writes:

Sorry Gang, someone (ve6mgs?) has posted a private e-mail that I sent out to a small group which offered the QRZ CD at a special price. I regret to say that that I am unable to offer the CD to the general usnet population (despite what the message says). I have only a limited number of CD's myself and thus cannot fulfill the offer to everyone who might asks as a result of this posting.

Due to the very limited supply of CD's that I have, I must restrict my special private offering to those who actually received my e-mail.

As for everyone else, I heartily recommend that you give Walnut Creek CD-ROM a call. At \$24.95 the it's still a great value and by doing so you will help to insure that future editions will be possible.

In addition, I will not be making any further postings regarding the sale of CD, so as to not use this forum for business purposes.

Thanks for all your support and let me offer my apologies for any confusion this may have caused.

-fred

--

[Fred Lloyd, AA7BQ

Fred.Lloyd@West.Sun.COM]

[Sun Microsystems, Southwest Area Solaris Transition Manager]
[Phoenix, AZ (602) 224-3517]

Date: 7 May 1993 14:00:26 GMT
From: usc!howland.reston.ans.net!darwin.sura.net!haven.umd.edu!cville-
srv.wam.umd.edu!ham@network.UCSD.EDU
Subject: CY9DXX QSL? Pse help!
To: info-hams@ucsd.edu

Way back in 1988, I worked CY9DXX, on St. Paul Island. I have not been able to get a QSL card, though - I think I tried through the bureau, but if someone has a card from this operation, and/or a QSL route that worked...

Please, may I have the route?

Thanks!

73, Scott

— —

73,

Scott Rosenfeld Amateur Radio NF3I \ / Long
Burtonsville, MD | Live

WAC CW/SSB WAS 84% of the way to DXCC _____| Dipoles!

Date: 7 May 93 08:30:16 GMT
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!mstar!n8emr!
bulletin@network.UCSD.EDU
Subject: DX Bulletin 23 ARLD023
To: info-hams@ucsd.edu

```
=====
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====
```

ZCZC AE49
QST de W1AW
DX Bulletin 23 ARLD023
>From ARRL Headquarters Newington CT
May 6, 1993
Relayed by KB8NW/OBS & BARF-80 BBS

To all radio amateurs

SB DX ARL ARLD023
ARLD023 DX news

Thanks to Bob, W5KNE; QRZ DX; Chod, VP2ML; the DX Bulletin; and the YCCC PacketCluster Network for the items in this week's bulletin.

LIBYA. Late May is the earliest we can honestly expect this operation to start. Ops include Romeo, 3W3RR/AH0M; LZ2UU and LZ2P0. RT5UL of D2ACA fame may also join up. This DXpedition will operate from near the city of Darnah on the Mediterranean Sea.

ERITREA. The independence referendum vote in late April was passed by a 99 per cent margin. Italy was the first country to recognize the independence of this new country. The Provisional Government has announced a separation date of May 24, 1993. Expect much operation soon after, as several groups are poised to go. The DX Advisory Committee, DXAC, has the matter of country status under consideration now.

SPRATLY ISLANDS. Expect the postponed March operation of 9M0S to be up and running for about one week, sometime around May 25.

MICRONESIA. V63DX by JA7IHZ, and V63CW by JH7IOS, will both start May 26 and run until June 1. They plan to operate 160 through 10 meters and be very active in the CQ WW WPX CW Contest. QSL via their home calls.

ITU HEADQUARTERS, 4U8ITU. Wolf, DK7UY, has been worked on CW, SSB and RTTY. He is concentrating on 20 and 17 meters, so try 14084 kHz between 2200 and 2345z, and 18075 kHz around 1600z. Luc, I1YRL, will be active from the ITU Hq station during May.

UGANDA. 5X1XT has been on 14 MHz RTTY and CW between 0400 and 0500z. 5X1XX was worked on 80 and 40 meter CW from the east coast between 0200 and 0330z. 5X1DX seems to favor phone at 14200 kHz around 0400z. QSL via N3JCL.

EQUATORIAL GUINEA. Ed, 3C1TR, is active afternoons on the 14226 kHz Family Hour Net. The new QSL manager for this one is K8JP.

LEBANON. OD5/SP7LSE has been busy on 14 and 18 MHz CW. Look for him on 20 meters between 2300 and 0200z, and 17 meters around 1308z. QSL via SP7EJS.

PAPUA NEW GUINEA. P29DK has been on 40 meter CW around 0830z on 7012 kHz.

SOMALIA. T5AA has been in a net on 14247 kHz between 0100 and 0200z.

THIS WEEKEND ON THE RADIO. Here is your menu of operating events.

The CQ-M Contest, the Russian Peace to the World event, runs for 24 hours starting at 2100z on May 8. The Danish SSTV Contest, sponsored by the Danish SSTV Group, is a 48 hour event that starts at 0000z on May 8. The Massachusetts QSO Party runs between 1500z on May 8 until 2100z May 9. For more information on these three events, check Contest Corral on page 107 of April QST.

A. Volta RTTY DX Contest, sponsored by the Italian Amateur Radio Association, ARI, is a 24 hour event starting 1200z on May 8. The Nevada QSO Party, sponsored by the Frontier ARS, starts at 0000z May 8 and runs until 0500z May 9. Details for these two events appear on page 128 of May QST.

GL and happy contesting.
NNNN

Date: Wed, 5 May 1993 06:08:08 GMT
From: mcsun!sun4n!bsoatr!bsrofa!rob@uunet.uu.net
Subject: MAGNETIC Loop ANTENNA
To: info-hams@ucsd.edu

ignacy@misz.animal.uiuc.edu wrote:
: In <1993May3.195249.22027@news.DKRZ-Hamburg.DE> k202023@smog.DKRZ-Hamburg.DE
(C.FOERSTER) writes:

: > Hello,worldwide,
: > I just start operating a semi-professional magnetic Loop-Antenna (AMA-6).
: > (Freq : 6.9 - 25 Mc / Diameter : 80cm). Anyone with experience in
: > such antennas?

: I have built a 90cm loop antenna as an afternoon project, using 2mm
: wire + a capacitor with 2mm spacing. It tunes 12-30MHz. At the floor
: level, it works as well as the attic dipole on 18MHz, or better when
: conditions are ending. The wire is getting slightly worm on 14MHz but
: stays coll at 18MHz and up. I have heard that the losses of the loop
: increase as the 4th power of the frequency. Consequently, to cover
: next 30% lower frequency one needs 2-3 times thicker wire (or tube).
: Consequently, building a loop antenna with a 90cm diameter and 18 MHz
: lowest frequency is trivial, it is somewhat more complicated at 14MHz,
: and becomes a challenge at 10MHz.

: -----

: Ignacy Misztal Ham radio: N09E, SP8FWB
: Internet: ignacy@uiuc.edu Bitnet: ignacy@uiucvmd.bitnet
: University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
: tel. (217) 244-3164 Fax: (217) 333-8286

Use copper foil, if you cannot find it use printed circuit board,
HF walks on the outside, so foil dos do the job!
Robert PA2JOB.

--

Robert Faass Email: rob@bsrofa.atr.bso.nl

Date: 7 May 93 16:30:37 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
darwin.sura.net!sgiblab!bridge2!zen.DEV.3Com.COM!joer@network.UCSD.EDU
Subject: no-code stuff
To: info-hams@ucsd.edu

oo7@emx.cc.utexas.edu (Derek Wills) writes:

>>> So, ladies and gentlemen, why don't we take an informal poll here on
>>> the net: give your callsign and state whether you support the no-code
>>> license or feel it was a bad idea. I'll start:
>>>
>>> I'm NH6IL and I'm against the no-code license.

>>I'm AA8IF and I'm in favor of the no-code license.

> I'm AA5BT and I'm bored with the whole discussion

I'm KC6TXU, Advanced class, and I was bored with the discussion
the day after the FCC announced plans to remove the code
requirement!!!

--

Joe L. Reda, KC6TXU | jlr@netcom.com | Campbell, CA | all opinions are mine
"Full separation of church & state . . not just a good idea, IT'S THE LAW!"

Date: 7 May 1993 13:25:22 +0300
From: mcsun!news.funet.fi!butler.cc.tut.fi!lehtori.cc.tut.fi!not-for-
mail@uunet.uu.net
Subject: OH0MFP qrv on 10m this weekend

To: info-hams@ucsd.edu

Alpo, oh3mfp will be on Eckero on the western part of Aland Islands this weekend. His activity will be depending on band conditions on 10m, because he hasn't a change to take a lot of stuff with him. He will use there callsign OH0MFP like during previous trips. QSL via homecall.

de Pete , oh0mep

Date: 7 May 1993 13:04:29 GMT
From: agate!howland.reston.ans.net!darwin.sura.net!mojo.eng.umd.edu!
chuck@ames.arpa
Subject: PVC tubing for mast?
To: info-hams@ucsd.edu

In article <1993May5.193413.25897@newsgate.sps.mot.com> rapw20@email.sps.mot.com writes:

>Does anyone have any experience using PVC tubing for antenna support
>masts? I'm thinking of putting up an inverted-vee and would like to get ...

Yeah, it bends like a wet noodle! It shatters when bent while very cold. It works great as plumbing, but sucks for antennas. Oh, did I mention that it is quite a bit heavier than an equivalent size of aluminum?

73,

Chuck Harris - WA3UQV
chuck@eng.umd.edu

Date: 7 May 93 13:40:42 GMT
From: ogicse!emory!europa.eng.gtefsd.com!darwin.sura.net!mojo.eng.umd.edu!
chuck@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993May5.193413.25897@newsgate.sps.mot.com>,
<1sbhn6\$mq5@network.ucsd.edu>, <adlerC6Mn78.H6J@netcom.com>p
Subject : Re: PVC tubing for mast?

In article <adlerC6Mn78.H6J@netcom.com> adler@netcom.com (Bruce Adler) writes:
>In article <1sbhn6\$mq5@network.ucsd.edu> jgervais@weber.ucsd.edu (Joe Gervais)
writes:

>>>From: markm@bigfoot.sps.mot.com (Mark Monninger)
>>
>>>Does anyone have any experience using PVC tubing for antenna support
>>>masts? I'm thinking of putting up an inverted-vee and would like to get
...
>I've got an alternate method that you might want to
>try. But I want you to note that I have NOT tried
>what I'm about to suggest. It could be a complete bust.
>
>I seems to me that using three 1" or 2" lengths of thick
>walled plastic pipe which have been strapped together might....

I guess, for me, it is a question of how much work, and expense, you are willing to endure in order to make a material that was not designed for structural purposes, and is not very suitable for use as a supporting structure, into a supporting structure.

PVC tubing is fine as a substrate for traps, and baluns. It is ok structurally in very short lengths (eg. 5 foot length of 1 inch tubing); but for any longer lengths, the stuff cannot even support its own weight.

It just isn't even all that cheap to use if you have to guy it, and use multiple pieces bound together to get enough strength so that it doesn't droop.

A length of 1" PVC is actually heavier than 1" thin wall aluminum tubing. And the aluminum tubing is much stronger.

Just my opinion.

73,

Chuck Harris - WA3UQV
chuck@eng.umd.edu

Date: 7 May 93 12:41:43 GMT
From: ogicse!emory!europa.eng.gtefsd.com!darwin.sura.net!rsg1.er.usgs.gov!
resdgs1.er.usgs.gov!tbodoh@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993May04.020103.22057@anomaly.sbs.com>,
<1993May4.134040.25139@rsg1.er.usgs.gov>,
<930506.200215.7x7.rusnews.w165w@mooch.sbs.com>6
Subject : Re: no-code defense

In article <930506.200215.7x7.rusnews.w165w@mooch.sbs.com>, system@mooch.sbs.com

(Christopher Ogren) writes:

|> tbodoh@resdgs1.er.usgs.gov (Tom Bodoh) writes:

|>

|> > Be careful who you call a scumbag. I am not just some ex-CBer - I've been
|> > involved in radio for 25+ years as a shortwave and scanner hobbyist. I'm
|> > also a Software Engineer. The future of ham radio must embrace computers
|> > in order to survive - or would you rather we go back to vacuum tubes? I
|> > may learn code eventually, but I think it should not be required until
|> > advanced and extra classes - and then only about 13 WPM - BUT that's my
|> > opinion and I won't call you a SCUMBAG for disagreeing. Although I suppose
|> > neanderthal may be closer ;)

|>

|> What the hell do vacuum tubes have to do with code? It should have been
|> made a "digital" license like it was supposed to be, but now we have
|> moronic CB'ers all over 2 meters and 70 cm. I know I could ask most of
|> the no-codes around here how to construct a dipole and all they would do
|> is say, "go buy one, der". Granted there may be a few worthy
|> individuals who are intelligent but largely around here they are
|> idiots. They are a disgrace to the proud tradition of amateur radio.
|> I'd rather lose it all then relinquish it to CB type operators. GAG!

|>

|> It's a joke of a multiple guess exam anyway. Even the exam is given
|> away. Why don't they just turn it into CB now and sell even more
|> radios! Damn low rent, bottom feeding, simplistic scumbags! They deserve
|> nothing!

|>

|> -----

|> - Christopher Ogren NM1Z | The politically correct -

--

What do vacuum tubes have to do with code - they are both antiquated and while they have limited use, they have been replaced with more modern means. I do think that code should be kept alive though - as well as knowledge of vacuum tubes. Knowing your history gives a better perspective of the present.

Please explain to me how knowing code gives you some divine knowledge on how to build a dipole. I know some "coders" who couldn't build one either.

There are also general/advanced/extra class hams who can't remember a dot or dash of code two years after upgrading - because they never use it. How is knowing code helping them or keeping scumbag CBers out? And very few hams of any class actually make their own equipment - how would you change that - require all hams to build their own equipment as in the early days?

We actually agree on one point (how about that!) - the written tests are too easy and I agree that they should be made tougher (but after May 22nd, when I'll be taking my scumbag no-code test!).

Perhaps I was a bit hasty in suggesting the elimination or reduction in the requirements for code. I do see the benefit for use in the HF bands. But I also see that something needed to be done to get more into the hobby. I do plan to advance to extra class - code or no-code.

Flamethrowers at the ready....

```
+++++
+ Tom Bodoh - Sr. systems software engineer
+
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198      (605) 594-6830      +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)
+
+ "Welcome back my friends to the show that never ends!" EL&P
+
+++++
```

End of Info-Hams Digest V93 #554
